

From boatanchors@theporch.com Sun Dec 15 14:59:36 1996  
From: km1h@juno.com  
Subject: Re: 7360 replacements  
Message-ID: <19961215.132125.9911.7.km1h@juno.com>

John, just a few comments please.

I remember reading back in 60's era magazines that the 6AR8 was a fairly troublesome tube in TV use and was quickly replaced by the 7360. National, Swan, and others chose the 7360 as balanced modulators, even though it was more expensive. I have no answer as to the engineering reasons.

While at National I bought a 75A4 (heresy) and proceeded to add 7360's in both mixers (another heresy), along with a 6GM6 in place of the 6DC6 RF amp, and solid state Hang AGC. I sold that radio in 1987 along with all documentation but I definitely remember it as an outstanding performer from 160 thru 10M in both sensitivity and overload handling on CW and SSB. I keep offering to buy it back! Another mod was cascaded mechanical filters with an intermediate solid state IF amp stage to compensate for insertion loss.

I would like to hear more about the 6JH8 use and availability. I still have an original 51J4 and keep wanting to add a Product Detector without any major surgery. Any ideas?? What else can be done to the J4 to improve CW/SSB and still be easily reversible to a subsequent owner?

73.....Carl

From boatanchors@theporch.com Sun Dec 15 14:59:36 1996  
From: "L. Booth" <lbooth@comm.net>  
Subject: Re: 75A4 AM filter ala Digi Key//Vector 9kc AM filter FS  
Message-ID: <32B34BB1.6F84@comm.net>

MIKE SANDERS wrote:

>  
> Greetings All,  
> WB9GKZs article in ER of August 93 spoke of the excellent service  
> from DigiKey so I should have not been surprised when it was like lightning.  
> But I was still surprised. Amazed actually. Anyway I bought a couple of  
> the filters to make one up for myself and a friend. I just finished his this  
> evening and pulled the Vector 9kcs out of my A4 to try it out. I called him  
> on the phone to let him hear the difference in signals on AM with the 3.1  
> kcs standard Collins filter and the \$2.65 Digi Key filter. Very impressed.  
>

This would probably also work in the 75S series receivers. My S3 uses the 455Kc IF xfmr's for AM, unless you put in the optional filter, which

is VERY expensive, if you can find one. I will try this approach with my S3 and see what happens with matching and such and the physical instalation. Has anyone ever done this before?

Lionel N5LB

From boatanchors@theporch.com Sun Dec 15 21:37:51 1996  
From: k0az@i1.net (MIKE SANDERS)  
Subject: 75A4 continues.....  
Message-ID: <199612152218.QAA22322@mail1.i1.net>

Greetings All from cold and dreary St. Louis, MO.

This morning was another good day to spend in the garage and try to get something done. Got my friends AM filter out of the A4 and stuck the one I made for myself in to check it out. Works fine. Went on to do the mods in May 90 ER for agc and ssb distortion. The change was quite obvious. No more popping on strong signals and much smoother agc on the "backside". Another worthwhile copy cat operation. It has been recommended by others and I cannot disagree. Glad I did these. Spent a bit of time after all the surgery in cleaning and "spiffing up" the set. Used some oil based wood polish on the cabinet and speaker cabinet. Got a bit of touch up to do when the St. James gray comes in but thats about it. Will have to clean the edges of the front panel where the little chips are and fill them in using a pin and a magnifier. .

Lots of friendly looking orange drops in place of the old paper caps so this rx is ready to go. The standard Collins 3.1 and the standard Collins CW filter with the little Digikey 6kc filter are in and thats the end of that.

Now the 100V (weeks behind schedule) is going to the bench. I have emailed and phoned Nick Tusa a couple times but no response from him. Anyone know if he is still selling NOS CE parts?

73 and have fun, Mike K0AZ  
Mike Sanders 3409 Henry Dr. Imperial, MO 63052 314-282-0787 K0AZ since 1996

Ex KS0F, N0ARH, K4KJG, K0TPW, Coast Guard Radioman/Cryptographer. Licensed since April 1959.

From boatanchors@theporch.com Sun Dec 15 21:37:51 1996  
From: "Jim Wilson-EJW012" <Jim\_Wilson-EJW012@email.mot.com>  
Subject: ? R390A Inrush Current Limiters  
Message-ID: <Macintosh \*/PRMD=MOT/ADMD=MOT/C=US/@MHS>

From: Wilson-EJW012 Jim on Sun, Dec 15, 1996 7:50 PM  
Subject: ? R390A Inrush Current Limiters

Inrush current limiters again -- Has anyone detemined the 'no load

resistance' and 'max steady state current' for the R390A in order to choose the appropriate Keystone (Digi-KEY, pg 282 of Cat.# 966) Inrush Current Limiter. If so, which Keystone part did you use?

Thanks, jim

From boatanchors@theporch.com Sun Dec 15 14:59:36 1996  
From: john <johnmb@pop.mindspring.com>  
Subject: A \_late\_christmas!  
Message-ID: <199612151440.0AA59472@mule0.mindspring.com>

Looks like I'll get a neat present after Christmas.

The HR050-T1, 10 coilsets and a Collins 32V will join the BA stable here after the new year.

The 32V has an interesting twist (they are from the same owner)  
The person I am getting them from got them from the original owner... along with it, comes a copy of Stars and Stripes, showing the rig, and the owner, along with an article telling how it was used to broadcast the information to the US that the Koreans had crossed the mumbley-mumble parallel, and attacked S. Korean and American troops. (There is obviously a lot I am missing from this story!). I'll summarize when I get the unit after the first of the year..

At least they'll stay together... so its really NOT addiction I am dealing with here...I'm just performing a public service... (and if you believe that....)

Now...back to the B&W 6100, on the bench....

Happy Holidays!  
john

-----  
John Brewer AMI #24  
WB50AU/4 Clayton NC  
Always looking for Lysco, and other  
lesser known commercial ham gear  
from the 30s-60s.  
-----

From boatanchors@theporch.com Sun Dec 15 14:59:36 1996

From: n5off@w5ddl.aara.org  
Subject: Admiral Services, LaPointe, IN???  
Message-ID: <530022@w5ddl.aara.org>

I'd like to correspond with anyone familiar with radio production by this company.

I've spoken with people at the modern Admiral Company, and they know nothing about this piece of the old company.

I once had a PRC-10 PS made by them, and I have heard that they made 390A's for Israel.

73 de tom

From boatanchors@theporch.com Sun Dec 15 14:59:36 1996  
From: Kenneth Warren <KenwK7RPX@worldnet.att.net> (by way of Kenneth Warren <KenwK7RPX@worldnet.att.net>)  
Subject: re: Airborne HF SSB  
Message-ID: <19961215090036.AAA25105@LOCALNAME>

At 12:08 AM 12/15/96 +0000, you wrote:

Marine's took the set and mounted it on a jeep. It  
>was the AN/TRC-75.

The Air Force had a version called AN/TSC-15 which had a small tty and telephone patch board in it. I worked the Byrd long wire station in Antarctica one night from Mt. Home AFB but lost the signal before we could run phone patches for them. They said we were coming in at 20 over S9 and the only thing that was getting in from the US. I always liked the warning sticker by the antenna, no trivial warning like High Voltage or do not touch; just DEATH ON CONTACT.

From boatanchors@theporch.com Sun Dec 15 21:37:51 1996  
From: MODSTEPH@ACS.EKU.EDU  
Subject: Re: Airborne HF SSB  
Message-ID: <01ID1NQYVTSY00L7P8@ACS.EKU.EDU>

Ken wrote: >>>

The Air Force had a version called AN/TSC-15 which had a small tty and telephone patch board in it. I worked the Byrd long wire station in Antarctica one night from Mt. Home AFB but lost the signal before we could run phone patches for them. They said we were coming in at 20 over S9 and

<<<

In TAC (Tactical Air Command) we used the TSC-15, ostensibly to coordinate our tropo scatter setups - got good enough at the latter that we were usually on the air with the TRC-97 before the HF got set up. Problem with the TSC-15 was usually lack of antenna: it operated off a whip antenna, although with my ham background OUR TSC-15's worked a lot better because we also deployed with pre-cut ground radials for the tactical frequencies we would be working.

73, Al N5AIT  
modsteph@acs.eku.edu  
Allan Stephens  
Richmond, Kentucky

LOOKING FOR: SX-146, SX-112, HT-46

From boatanchors@theporch.com Sun Dec 15 14:59:36 1996  
From: km1h@juno.com  
Subject: B&W Swinging Link confusion  
Message-ID: <19961215.132125.9911.5.km1h@juno.com>

My posting yesterday has lead to many questions.

What I have is the B&W #3565 Swinging Link Arm assembly. This is just the metal frame that mounts to the main coil jack bar and includes the insulated swinging section (I suppose it could also be called a jack bar) that the swinging coil plugs into. It DOES NOT include coils!

I hope that this msg does not add to the confusion....I even got confused typing it. It would probably have helped if I knew the proper name or terminology in the first place.

These are NIB and only about 10 are left and there were over 20 questions. I'm pretty much accepting any reasonable sounding offers since I havent a clue to their 1996 value.

73.....Carl

From boatanchors@theporch.com Sun Dec 15 14:59:36 1996  
From: km1h@juno.com  
Subject: BA Convention  
Message-ID: <19961215.132125.9911.6.km1h@juno.com>

It is pretty hard to pick a favorite location since all have so much to

offer. For sheer volume of BA junque Dayton wins and Rochester, NH is a close second. Gaithersburg can sometimes be fun and it is convenient to a huge number.

Rochester is unique in its atmosphere since it is an area not known for an abundance of motels, night life, etc. Large numbers of attendees rough-it overnight in tents, campers, and even in the seat of a riceburner. I crash in the back of my old Dodge Cargo Van. Friday nights are wild with impromptu music, country and rock, poker games and general anything goes until well past midnight. The swaps and deals go on with Coleman lanterns and flashlights. The food concessions are usually open as long as someone is buying. This is NH horse country and the site is the Rochester Fairgrounds; creature comforts are few and far between.....but is it ever a great 2 day blast in May and October! The entrance fee is \$20 for the full 2 days or \$5 after 3PM on Friday. There is no set-up fee. You find and use as much space as you want. All proceeds go to the Shriners Hospital in Boston.

Those who are trying to organize a conference may wish to consider a roving affair. It may give many an opportunity to sample something new each year. This may have been mentioned earlier but I was too busy with the Delete Key while playing catch-up on the mail....sorry if I've duplicated an earlier effort.

73.....Carl

From boatanchors@theporch.com Sun Dec 15 14:59:36 1996  
From: Michael Crestohl <mc@shore.net>  
Subject: Re: BA fest....  
Message-ID: <199612151618.LAA25267@northshore.shore.net>

Hello Dave:

I don't know what will happen next on this if anything. I'd recommend Paul WA3VJB and Steve WB3HUZ as a starting point. Anyone on the Baltimore/Annapolis areas know these fine gents?

73, Michael Crestohl, W1RC, mc@shore.net Cambridge Vermont 05444-0024

\ \ /  
\_ \_ /

\ \ /  
\_ \_ /

From boatanchors@theporch.com Sun Dec 15 14:59:36 1996  
From: pmills@A.crl.com (Phil Mills)  
Subject: Re: BA fest...hamfests in general  
Message-ID: <199612150335.AA18341@A.crl.com>

John, I've travelled in San Diego on busines several times but  
have no earthly idea where the Santee Drive In is....please  
be more specefic for those on the BA list that will have the  
good fortune to be there in the next few weeks or months...

thanks & 73, Phil

>On Sat, 14 Dec 1996, Phil Mills wrote:  
>  
>> In short, if something is going on in your area, put the word out!  
>>  
>  
>OK, the San Diego, CA area has a monthly electronics swap meet  
>the first Saturday, at the Santee Drive In. There's another one  
>on the 3rd Sat. same place, but hardly any radio types show up  
>for it, just computers.  
>  
>John KK6IL  
>  
>  
Phil Mills, AB5TH                   \*\*\*\*\*       \*\*\*\*\*  
pmills@a.crl.com  
281-992-5762   days  
Friendswood, TX       (south of Houston)

From boatanchors@theporch.com Sun Dec 15 14:59:36 1996  
From: John Kolb <jlkolb@cts.com>  
Subject: Re: BA fest...hamfests in general  
Message-ID: <Pine.SC0.3.91.961214200903.24594B-100000@sd.cts.com>

On Sat, 14 Dec 1996, Phil Mills wrote:

```
> John, I've travelled in San Diego on busines several times but
> have no earthly idea where the Santee Drive In is....please
> be more specefic for those on the BA list that will have the
> good fortune to be there in the next few weeks or months...
>
```

Detailed directions and list of other San Diego BA haunts available by e-mail.

John KK6IL j1kolb@cts.com

From boatanchors@theporch.com Sun Dec 15 14:59:36 1996  
From: Bob Roach <KE4QOK@worldnet.att.net>  
Subject: Re: BA fest...hamfests in general  
Message-ID: <19961215141941.AAA12882@LOCALNAME>

At 11:29 PM 12/14/96 +0000, you wrote:

```
>This brings up something else.....
```

>

[illegible]

>In short, if something is going on in your area, put the word out!

 $\succ$ 

>thanks & 73,

>Phil

Hi Phil,

I agree 100%. There are very many small get togethers which are at the very least, a lot of fun. The only problem is that is, if a small club is haveing a get together the word does not get out.

I guess I can get the ball rolling here buy posting one most folks probably already know about, since it gets a good bit of press.

Richmond Va.  
Frostfest  
Jan 19 8:30-3:30  
The Showplace  
Between I-64 and I-295 on Rt 360  
<http://frostfest.rats.net>

73 es TNX



KE4QOK                Real radios glow in the dark.  
Bob                Power is no substitute for skill.  
                  If it stayed up last winter, it was too small.  
136 Hermitage Rd.  
Newport News, Va. 23606 KE4QOK@worldnet.att.net    [try here first]  
(757)930-0348        bob.roach@sourcebbs.com

From boatanchors@theporch.com Sun Dec 15 21:37:51 1996  
From: bdhall@ghg.net (Benjamin D. Hall)  
Subject: BA listmembers, R-725  
Message-ID: <32B494D8.58CE@GHG.net>

Well folks, got my Christmas present today...

Drove up to Lon Cottingham's place today, and once again I'm impressed with the caliber of people that frequent this list. Every single person I've met from this list has proved to be of a caliber not generally found in the normal population: friendly, knowledgable, interesting, and with a really cool garage. I've only dreamed of having a garage like that... (but right now my apartment looks like most BAfolks garages so hey, what can I do, hah hah hah)

Picked up an R-725, which is an R-390A modified to have an R-390 IF deck. This may be an over simplification, but that is the extent of my knowledge on the unit. The unit is like new on the inside, and after a few drips of WD-40 here and there I can tune it with my finger! What a nice unit...

So, this leads to the enevitable question! Anyone have any documentation on the R-725? Just figured I'd ask before I tried to align the unit with both the R-390 and R-390A alignment procedures...

Thanks and 73,  
Ben  
--

-----  
From the computer of                    | Collector of fine firebottle  
Benjamin D. Hall, Houston Texas | equipment, as well as other things  
BDHall@GHG.net (home) -or-            | involving Earth, Air, Water, and  
Benjamin.D.Hall1@JSC.NASA.gov        | Fire.  
-----

\*\*\*PLEASE NOTE MY NEW HOME E-MAIL ADDRESS above.\*\*\* My old address, BDHALL@GHGCorp.com, will still work for a period of time however.

From boatanchors@theporch.com Sun Dec 15 14:59:36 1996  
From: n5off@w5ddl.aara.org  
Subject: BA Shops in Calgary?  
Message-ID: <530018@w5ddl.aara.org>

I'll be in Calgary in Jan.

ANy good BA shops there?

73 de tom n5off

From boatanchors@theporch.com Sun Dec 15 21:37:51 1996  
From: Chuck Hallett W7LDS <liahona@execpc.com>  
Subject: BA Sightings @ Antique Radio Swapmeet (Chicago]  
Message-ID: <32B4A5E0.307B@execpc.com>

Got there bright (Dark actually) and early. The event was held in a Holiday Inn ballroom. Nice crowd and I saw more models of old Broadcast receivers than I had ever thought of before.

Not too much in the way of Amateur gear, but I'll list the ones I recognized.

Drake 2B & Speaker/Qmultiplier \$200 (still there when I left early). This was in pretty good condition. I would liked to have had it but thought the price was a skosh high; given the recent run up in prices though it may not have been too far out of line.

Halli SX-110 \$110 No speaker. Fair physical condition.

Heath SB-104 and accessories - didn't even ask the price

Some model of Gonset General Coverage receiver with ham band bandspread \$25 but said it need a power xfmr.

A Knight Kit R-100 for \$160!!! The exclamation points indicate my belief that only someone trying real hard to reconstruct their novice station would pay that for what I remember to be a very underwhelming receiver. But then again so was the RME-45 which was my first and when I found mine a few years ago at a hamfest I told the seller I'd take it. He said I haven't put a price on it yet and I said it didn't matter, I'd take it! (\$125)

A couple of military versions of Halli/Hammurland receivers which I don't know much about.

It was surprising to me to see how many of the original radios (20s &

30s era) had shortwave coverage. Quite a few of the ones there did.

Oh yeah, an S38A for \$50 condition fair.

Lots of old gramophones, the ones with the big horns - these seem to start around \$600 !!! That's a lot of scratch to listen to scratch.

Afterwards I drove another 150 miles to pick up a couple of DX-100Bs which Rodger WQ9E had in storage for me (Thanks Mike K0AZ). Rodger gave me a tour of his 3-1/2 acre BA farm. Saw all kinds of gear in various stages of repair. Rodger has at least one or two receivers in every room of his house. And they are each hooked to an antenna and work too! I told my wife about that when I got home (with an envious tone in my voice) and she said he must have a very understanding wife. I said he didn't have a wife to complain about his radios (with an envious tone in my voice).

Thanks Rodger for the tour. It was worth missing the Packers game for the pleasure of seeing all them radios.

From boatanchors@theporch.com Sun Dec 15 14:59:36 1996  
From: Sandra L Knepper <slkst29+@pitt.edu>  
Subject: Re: Collins Gear  
Message-ID: <Pine.GS0.3.95L.961215123428.10273K-1000000@unixs1.cis.pitt.edu>

There should be period between the 5 and 0. Sorry about that. \$175.00.

On Sun, 15 Dec 1996, Sandra L Knepper wrote:

>  
> The 51J-3 is still for sale, although I did get several persons who said  
> that they would call back. This receiver works fine on all bands and has  
> a product detector. I would say that it is in good condition. However,  
> it is missing the top and bottom covers. There is a nice wooden case  
> with the receiver. . Price has been reduced to \$17500 not including  
> shipping. I would prefer a pickup if possible.  
>  
>  
> Dave, W3BJZ  
> Publisher of the monthly Collins Journal  
>  
>

From boatanchors@theporch.com Sun Dec 15 14:59:36 1996  
From: Sandra L Knepper <slkst29+@pitt.edu>

Subject: Collins Gear

Message-ID: <Pine.GS0.3.95L.961215122503.10273J-1000000@unixs1.cis.pitt.edu>

The 51J-3 is still for sale, although I did get several persons who said that they would call back. This receiver works fine on all bands and has a product detector. I would say that it is in good condition. However, it is missing the top and bottom covers. There is a nice wooden case with the receiver. . Price has been reduced to \$17500 not including shipping. I would prefer a pickup if possible.

Dave, W3BJZ

Publisher of the monthly Collins Journal

From boatanchors@theporch.com Sun Dec 15 21:37:51 1996

From: "Dave Kelley" <aa7tq@primenet.com>

Subject: Drake 4B calibrator problem

Message-ID: <199612160126.SAA13848@primenet.com>

I have a Drake R4B and the crystal calibrator seems to have a problem. Would anyone have an idea where I could get a new one for it. Anyone with a "parts" unit out there?

I plan to try to fix this one, but would like to cover all my bases.

Thanks and Happy Holidays to you all

73

Dave, AI7R

<http://www.tempe.gov/radio>

From boatanchors@theporch.com Sun Dec 15 21:37:51 1996

From: Michael Tallent <mtallent@concentric.net>

Subject: Re: Drake 4B calibrator problem

Message-ID: <32B4AFE6.65BA@concentric.net>

Dave Kelley wrote:

>

> I have a Drake R4B and the crystal calibrator seems to have a problem.

> Would anyone have an idea where I could get a new one for it. Anyone with

> a "parts" unit out there?

>

> I plan to try to fix this one, but would like to cover all my bases.

>  
> Thanks and Happy Holidays to you all

>  
> 73

>  
> Dave, AI7R  
> <http://www.tempe.gov/radio>

Dave:  
I don' have an extra calibrator, but if you try to fix yours, I have the  
923 divider parts at a really good price :-)

Mike W6MXV

From boatanchors@theporch.com Sun Dec 15 14:59:36 1996  
From: Larry Godek <AZCOT@gnn.com>  
Subject: Eldico  
Message-ID: <199612151630.LAA08079@mail-e2b.gnn.com>

Dave, K4JRB's posting about the 1950 CQ mag and all the Eldico  
stuff brought back thoughts of something I have out in the garage.

NIB, NOS Eldico Harmonic Chaser, complete with directions all  
rolled up in its original can.

I've taken it to several hamfests and only had one or two people  
even know what it was for. Most of them looked at it and (it  
doesn't look like Yaesucomwood stuff) never even commented on it.

A few ol' timers knew what it was and had even owned one. But to  
have seen one still in the box was another matter.

I think there was a slight smell of "Old Stale" 1950's air in the  
can when I opened it. Much cleaner stuff than what we have today.

Larry Godek W00GH  
AZCOT@gnn.com

Gilbert, AZ. 85233

Ex-W6KQL, W8BPV, DL5LS, K0TA0, KN6TUP

From boatanchors@theporch.com Sun Dec 15 14:59:36 1996  
From: km1h@juno.com  
Subject: F/S B&W # 3321 Ceramic T-Jack Bar NIB

Message-ID: <19961215.132125.9911.4.km1h@juno.com>

More rummaging and more goodies.

I found 5 of these NIB. Also found 1 B&W BX Jack Bar, used but clean and no cracks. Make an offer, 1 or all.

Sorry, NO COILS...at least yet. There are still boxes of stuff to dig thru and I remember having a bunch of old plug-in coils, from SW3, Hammarlund, and various TX sizes....havent seen them since moving in 1989.

73.....Carl

From boatanchors@theporch.com Sun Dec 15 14:59:36 1996  
From: Robert Fowle <hammarlund@jacksonmi.com>  
Subject: FS: Jennings Vac Vari cap & KWS-1 knobs  
Message-ID: <32B4667F.6899@jacksonmi.com>

Hello All;  
have for sale 2 of these.  
Jennings Vacuum Variable Cap's.  
UCSL 500-5S @ 5,000v  
UCSL 500 @ 3,000v  
\$125 each + 5 shipping

have 4 of these KWS-1 knobs  
\$50 ea + \$4 shipping

if interested email me

--

\*\*\*\* Please, Visit my Web Page.....\*\*\*\*

=====]-[->

Robert Fowle KC8DBC  
1215 Winifred  
Jackson, Mich. 49202-1946  
Ph. 517-789-6721  
E-mail: hammarlund@jacksonmi.com  
Web Page: <http://www.jacksonmi.com/hammarlund>

NOW... BOATANCHORS Conference!  
talk, buy-sell-trade all in one place!  
Moderator: Robert Fowle  
at: <http://www.inetnc.com/hamchat/>

From boatanchors@theporch.com Sun Dec 15 21:37:51 1996  
From: k7yha@juno.com (Richard H. Arland)  
Subject: FS: Knightkit TR-106/108 Xcvrs  
Message-ID: <19961216.033551.4407.11.k7yha@juno.com>

Gang:

I have too much "stuff" so I gotta unload some "stuff".

I have a Knightkit TR-106 6 meter AM rig and a TR-108 2 meter AM rig and ONE VFO (it can be used on either radio...just reverse the dial), the stand which holds radio and VFO together, two mics. Manual for the TR-106. Both rigs work, cosmetic condx about a 7.5 on a 10 scale. Only one power cord that is hard wired into the back of the power jack on the TR-106.

\$75 plus shipping. Will ship AFTER holidays.

rich K7SZ

From boatanchors@theporch.com Sun Dec 15 14:59:36 1996  
From: Mike Warren <71555.713@CompuServe.COM>  
Subject: FS: TV7C/U tube testers  
Message-ID: <199612151329.IAA09853@mhadf.production.compuserve.com>

(Forwarding message from 'rec.antiques.radio+phono')

----- Forwarded Message -----

Path: news.production.compuserve.com!news.production.compuserve.com!  
compuserve.com!ix.netcom.com!www.nntp.primenet.com!nntp.primenet.com!  
howland.erols.net!feed1.news.erols.com!news  
From: Chong Ong <"ongkt88@erols.com">@erols.com>  
Newsgroups: rec.antiques.radio+phono  
Subject: FS: TV7C/U tube testers  
From boatanchors@theporch.com Sun Dec 15 21:37:51 1996  
From: Robert Fowle <hammarlund@jacksonmi.com>  
Subject: Halli manuals, on my webpage  
Message-ID: <32B485B9.6D5E@jacksonmi.com>

Evening everybody;

just finished creating a new page on my website.  
Hallicrafters manuals now have they're own page..  
feel free to stop by & look..  
Happy Holidays to All

--

\*\*\*\* Please, Visit my Web Page.....\*\*\*\*

=====]-[->

Robert Fowle            KC8DBC  
1215 Winifred  
Jackson, Mich. 49202-1946  
Ph. 517-789-6721  
E-mail: hammarlund@jacksonmi.com  
Web Page: <http://www.jacksonmi.com/hammarlund>

NOW... BOATANCHORS Conference!  
talk, buy-sell-trade all in one place!  
Moderator: Robert Fowle  
at: <http://www.inetnc.com/hamchat/>

From boatanchors@theporch.com Sun Dec 15 14:59:36 1996  
From: Bob Roehrig <broehrig@admin.aurora.edu>  
Subject: help identify HRO  
Message-ID: <Pine.ULT.3.95.961215094149.5567A-1000000@admin.aurora.edu>

My latest HRO find is still as yet unidentified since the original tag was removed from the front panel (why do people do this)!!?

This unit is identical circuit-wise to my HRO-M except:

- 1) It is rack panel front (flat gray finish).
- 2) The main tuning knob is black.
- 3) The xtal for the xtal filter plugs into the top of the filter can.
- 4) The selectivity control has the metal skirt on it, scale 0-10, no other markings.
- 5) The toggle switches are standard metal, not black.
- 6) There is no pointer above the tuning knob and no hole in the panel for one.

I am wondering if the tuning knob is original or not. I thought the HRO tuning knobs always matched the panel color. The coil sets for this are all gray.

E-mail [broehrig@admin.aurora.edu](mailto:broehrig@admin.aurora.edu)            73 de Bob, K9EUI  
CIS: Data / Telecom    Aurora University, Aurora, IL  
630-844-4898    Fax 630-844-5530

From boatanchors@theporch.com Sun Dec 15 21:37:51 1996  
From: Jim Garland W8ZR <4CX250B@miavx1.acs.muohio.edu>



Subject: Help Needed: KWM-1. I'm desperate!  
Message-ID: <v03007800aeda489036e9@[134.53.65.12]>

Hi Gang,

This is really a long shot, I know, but if one of you guys is a KWM-1 expert, I've got a problem that completely baffles me. I've been working to restore a KWM-1 and have the rig working fine on receive and ssb. The problem is with the tone generator (V20) circuit, which doesn't oscillate. I've checked all the resistors and capacitors and they seem fine. I've cleaned the pins on the tube socket, and tried several 6U8As. I've verified that the function switch grounds the cathode resistor properly, and it does. In short, I can't find anything wrong except that the circuit won't oscillate. I even tied an audio oscillator into the input of the phase-shift RC network, to measure the frequency at which the phase shift reached 180 degrees, and it seemed to be fine. I also tried substituting the 25uF cathode bypass cap, and the 0.1uF screen bypass cap, but it didn't help. The voltage chart in the manual isn't any help, since the voltages are measured in receive, when V20A is switched off. In the cw mode (with cathode grounded through a 1K resistor), however, here are the voltages, measured to ground:

cathode: 2.5V  
screen grid: 105V  
plate: 71V.

It's odd that the screen voltage is higher than the plate voltage, but that's not unusual in a phase-shift oscillator, as I recall. In desperation, I've stripped out all the components from the tube socket and have started rebuilding the circuit from scratch. This is no easy task, incidentally, since V20 is in a horribly inaccessible spot in the front corner of the chassis. I'm now rebuilding the circuit, but since I couldn't find anything wrong with the original circuit (except some component values that were slightly out of tolerance), I'm not optimistic the damned thing will work. I'm about to toss the whole thing off a bridge. Anybody with any ideas????

73,  
Jim W8ZR

From boatanchors@theporch.com Sun Dec 15 21:37:51 1996  
From: lkayser@rideau.net (Larry Kayser)  
Subject: HRO RX, Audio gain control KNOB, HELP Pse  
Message-ID: <199612152355.SAA24626@mail.peterboro.net>

Greetings:

My long suffering prewar HRO, 6D6's in it, needs a nice Audio Gain control knob to replace the plastic obscenity that migrated to the job from a long defunct TV set.

The knob should be labeled "Audio" or "Audio Gain" and have the usual 1 to 10 numbering engraved on it.

If you have one, or know someone who has one I would appreciate giving this old radio a full set of knobs, it's Christmas time you know.....

Larry  
va3lk / wa3zia

From boatanchors@theporch.com Sun Dec 15 21:37:51 1996  
From: "Allan Fritsche" <fritsche@msn.com>  
Subject: HT-32 Switch revisited  
Message-ID: <UPMAIL03.199612152151210257@msn.com>

Hi Gang, Cold front blew in to Houston about noon today, now too cold to work on my little project. Got the switch to work as good as humanly possible, still has a sloppy feel to me, but maybe they all are like that. Now decided to wire it back in. Studied my removal diagrams and looked at the schematic carefully and I noticed some discrepancies on the rear wafer. Pins, that should be strapped aren't and those that shouldn't be are. This is a vanilla HT-32, Mark I, but I have a feeling it's been modified somewhere down the line. The schematic has some penciled in diagrams around the RF level control. Tried to trace but couldn't determine if the mod was done. If anything it was half done.

NOW my question. Does anyone remember what mods were out on this rig or better yet if they came from QST or 73 what the issue number was. Any help would be appreciated.  
I will not wire back in until I am sure of the schematic.

Remember, I got this rig just recently and per Phil Mills, the only problem he was aware of was low power. I have never had it in the ac plug.

Thanks  
AL  
fritsche@msn.com

From boatanchors@theporch.com Sun Dec 15 14:59:36 1996  
From: Bob Roehrig <broehrig@admin.aurora.edu>  
Subject: label remover  
Message-ID: <Pine.ULT.3.95.961214220040.2061D-100000@admin.aurora.edu>

The other day I had the task of trying to remove the remains of a very old Dymo type label from glass. I usually use a product called "Texsolve" from Texwipe. This is pretty good stuff, especially for removing years old masking tape, however it didn't seem to be doing a good job here.

I finally ended up spraying some good old WD-40 on it and in a matter of minutes was able to wipe off the gum. This may work well on all sorts of BA cleanup projects.

If you have ever dealt with installing underground telephone cable with the gooey moisture-proof gel, you know what sticky REALLY is! WD-40 on the hands is the best cleaner ever.

E-mail broehrig@admin.aurora.edu 73 de Bob, K9EUI  
CIS: Data / Telecom Aurora University, Aurora, IL  
630-844-4898 Fax 630-844-5530

From boatanchors@theporch.com Sun Dec 15 21:37:51 1996  
From: DArney@gnn.com (Dan Arney)  
Subject: List of Test Equipment  
Message-ID: <199612152305.SAA26277@mail-e2b.gnn.com>

Following is list of equipment that I good get to today. All of this is located in Northridge,CA It is sold AS-IS noted if inop to my knowledge. All plus shipping. In most cases I will accept any GOOD REASONABLE OFFER. Not any dumb offers. I will put in some odds and ends with each order for free. If a price is quoted that is what I need.

Random listing as I dug thru it.

Several Microfiche readers and rearer printers.

Misc printers- monitors no VGA/SVGA Color.

HI-80 Epson plotter

Jerrold model 900A sweep freq. generator with Model D-50 detedtor Rack mount.

Motorola model PA-8270-B xmtr on 6Meters. base station.

2 each HP 3300A Function Generators no plug ins.

HP 652-A test oscillator

PM 1009 RF power meter needs probe.

Miracord XA-100 turntable with access. and in original box Made in Germany

TEK C-59A scope camera \$40.00

Dictaphone system Micromaster with access.

PE-120-B power supply 6-12-24V unit.cover missing with manual for it and SCR-659??

2 each General Radio model 1390-B Random noise generator.

EG&G Radiometer Indicator unit model-580-11A probe missing. Sold 3 @ \$400.00 each had probes. BO S/N 222

TS-353/U Test set multimeter ME-96/U by Phadstron with multiplier kit to 5000V it appears with hi-voltage lead.

TDD unit with tape/printer/cassette player phone connection and manual \$125.00

HACH model 2100A Turbidimeter.

Northeast Electronics Corp. model 588R Impulse counter and noise measuring set.

Advanced Electronics scope with manual and modules 2ea 200-1 displays 3ea 200-2 power supplies 3ea 200-3 Horiz amps 1 ea 200-4 L.freq. amp 1 ea 200-5 HF amp 2 ea 200-6 differential amps 1 200-9 electronic switch.

HP 200D audio oscillator

Power supply PS-1623-59A +-3A +12V 1A -12V 6A

BC-939 BC-610 antenna tuner \$200.00

Bryon Jackson rack mount Signal generator SG-15A/PCM 0-36KC??

Rack mount 6V 30Amp power supply by Soremiat?? on name

16 line recording modem by Dataline Micro 2000

QYX modem/printer by EXON

Shallcross 817-B resistance box

TEK 531 with manual and CA plug in

Gould model 222 chart recorder

Leeds Northrup millivoltly petentionmeter model 8686

Sargon X-Y milling machine indicator only. model 602AT S/N1353

Industrial intercom model 27 NIB 117V weatherproof speaker.

2 ea. ITMF phone systems, i is SS

TEK 545A with CA plug in

2 ea TEK 561A's with CA plug in for one maybe both

Fairchild 766H scope with dual trace and delayed sweep \$50.00 B0

HP model 7440 8 pin color plotter with acces. case.

2ea Unholz-Dickie SP series Servo programmer.

TEK 7403N with 7A19 and 7B80 plug ins

6 ea TEK 7912AD Programmable digitizers no plug ins.

General Radio model 1263A S/N876 amplitude regulating power supply.

CZY 10223-A Electronic repair kit in USN gray steel case/leather carry strap, with HICKOK model 445 multimeter with leads S/N215 USN model OCR, manual list of contents(missing)Like new

NARDA Impedance meter model 231TNC S/N147 for microwave

Kingsley hot wire stamping machine with all accessories and foot switch.

XFMR 1425 CT with 0 to 122.5V pri inputs enclosed case with phenolic top 10 1/4X9X8 Heavy no name or number.

Thordorson T49863A XFMR 240V pri 4.700VA SEC 3800CT 1.9ARMS with  
caps on dolly HEAVY!!!!!!

HP 400D VTVM

LAMBDA LP-413A-FM regulated power supply output 0-60V .45A

HP8518 Sprectrum Analyzer display section.

POLARAD Signal generator model 1108A-QS 7.1 to 8.5 Ghz with FM test  
adapter model 1041-1-2 test set.

2 ea HP 412A VTVM's copy of manual

1 ea HP 410B VTVM

Pagel Electronice Electronic counter model PE 6-VHF-A

Following capacitors by Cornell Dub  
4 ea 1 mfd 2000vdc CP70E1FJ105K  
3 ea 2mfd 2000vdc CP70E1FJ205K  
2 ea 1mfd 3000vdc CP70E1FJL104K

plus some ASTRON caps lower voltage.

Thanks "Hank" KN6DI

From boatanchors@theporch.com Sun Dec 15 14:59:36 1996  
From: n5off@w5ddl.aara.org  
Subject: Looking for R-391A data  
Message-ID: <530020@w5ddl.aara.org>

Still looking for contract data for the R-391A.

I know a couple of these were made, but were there any made in general  
production?

73 de tom

From boatanchors@theporch.com Sun Dec 15 21:37:51 1996  
From: jmiller@teleteam.net (Jay H. Miller)  
Subject: New Ham Home Page up!  
Message-ID: <v01540b00aeda4ab6d80c@[199.34.24.24]>

I have made significant improvements to the ham radio section of my Website. Please take a look!  
I think you will all find something of interest.

Go in either through the front door of the home page:

<http://www.teleteam.com/~jmiller/>

Or directly to the ham section:

<http://www.teleteam.com/~jmiller/hamhome.html>

73!

\*\*\*\*\* ##### \*\*\*\*\*  
Jay H. Miller, KK5IM Dallas, Texas  
The Pocket Guide to Collins Amateur Radio Equipment  
AMI#846 Collins Collectors Association  
E-Mail: jmiller@teleteam.net  
Visit My Home Page: <http://www.teleteam.com/~jmiller/>  
\*\*\*\*\* ##### \*\*\*\*\*

From boatanchors@theporch.com Sun Dec 15 14:59:36 1996  
From: n6nae@ix.netcom.com (Richard Humphrey)  
Subject: Peeling meter face  
Message-ID: <199612150607.WAA11203@dfw-ix8.ix.netcom.com>

Help! Picked up an HP 427A bench multi-meter which has a big problem in the meter.

The stick-on plastic meter dial scale is starting to peel away from the metal backing. It has curled up around the mirror cutout. That's jamming the pointer and threatening to eventually make this a very uncalibrated device when the scale falls off.

Two questions:

1. Has anyone tried glueing the edges of a plastic meter overlay back down using a thin, transparant glue like superglue? Did I read something here about that stuff causing problems in a meter? How long

does it take superglue to finish outgassing, or whatever it does? This meter is not sealed.

2. Any other good suggestions?

Finally, does anybody have a manual for this they would be willing to part with? I'm afeerd buying a manual from one of the manual dealers would involve more cash than the meter cost. And from the looks of the blackened parts and wires on the range switch (one of the resistors experienced vigorous combustion!) it may not be worth a large investment.

Thanks,  
Richard

From boatanchors@theporch.com Sun Dec 15 14:59:36 1996  
From: vancleef@netcom.com (Henry van Cleef)  
Subject: Re: Peeling meter face  
Message-ID: <199612150918.CAA18835@netcom9.netcom.com>

As Richard Humphrey discourses

>  
> Help! Picked up an HP 427A bench multi-meter which has a big problem  
> in the meter.  
>  
> The stick-on plastic meter dial scale is starting to peel away from the  
> metal backing. It has curled up around the mirror cutout. That's  
> jamming the pointer and threatening to eventually make this a very  
> uncalibrated device when the scale falls off.  
>  
> Two questions:  
>  
> 1. Has anyone tried glueing the edges of a plastic meter overlay back  
> down using a thin, transparant glue like superglue? Did I read  
> something here about that stuff causing problems in a meter? How long  
> does it take superglue to finish outgassing, or whatever it does? This  
> meter is not sealed.

If this meter is like all the other Hewpy meters I've seen, no sweat.  
Just open it up, remove the two screws holding the dial scale, and  
take it off.

Rubber paper cement is the stuff to use to stick the meter facing back  
on the backing. Don't bother with anything exotic like cyanoacrylate  
glues---they aren't the right stuff, and are nasty to work with to  
boot, for jobs like this.

Be careful to run only a very light cement bead near the mirror area,



and keep the edge of it some distance away (1/8 to 1/16 inch) so that you don't squoosh the paper cement out onto the mirror area. Get the cement on both the backing plate and the scale by squooshing them together, then let them dry for about 20 minutes. Press together again, and they'll stick. A little work with a gum eraser will take off any that has squooshed out, after a few hours. Let cure for a day, then reassemble the meter. It's a splendid opportunity to polish up the meter bezel to a nice gloss shine as well.

>

> 2. Any other good suggestions?

>

> Finally, does anybody have a manual for this they would be willing to  
> part with? I'm afeerd buying a manual from one of the manual dealers  
> would involve more cash than the meter cost. And from the looks of the  
> blackened parts and wires on the range switch (one of the resistors  
> experienced vigorous combustion!) it may not be worth a large  
> investment.

>

The source for Hewpy manuals is:

: Ed Matsuda  
: Test Equipment Manuals  
: P.O. Box 390613  
: San Diego, CA 92149  
: (619) 479-0225  
: (619) 479-1670 fax

If the thing is worth fixing, it's worth having the right manual for it. You might look over the range switch and see if its contacts are OK. Precision resistors are not hard to replace with conventional 1 or 5% jobs. Just take the next larger size and "trim" it with a roughly 10X value. If its a big resistor (lotsa ohms), use resistors in series. You don't need a precision ohmmeter to do this. Just calibrate the thing on its other ranges, then trim the resistor in the affected range to bring it into calibration.

--

=====  
Hank van Cleef  
E-mail vancleef@netcom.com or vancleef@tmn.com  
=====

From boatanchors@theporch.com Sun Dec 15 14:59:36 1996  
From: carl yaffey <cyaffey@sprynet.com>  
Subject: post from Cal  
Message-ID: <2.2.32.19961215203659.007560b0@m1.sprynet.com>

Cal asked me to post this for him as his news server is down:

\*\*\*\*\*

Hi folks:

This is the "climactic ending" you've been waiting for.

I kept looking at the 32V2 and it kept staring back at me. No longer wanting to wait for the Antique E.S. package to arrive, I borrowed an OB2 and 6SN7 from a buddy (actually, he let me have them for free). I put some temporary jumpers across the requisite terminal points on the barrier strip on the back and loaded the fuses inside the holders. I first thought that I otta put a 100 watt lamp in series with the ac line but I had enough extra fuses just in case (besides, the rig would've been protected either way). I then switched on the l.v. switch and put the meter on l.v. and brought the variac up. The band was set at 75 meters and the dial lamp began to glow (indicating that the new P.Dahl xfmr was working). I kept on bringing up the voltage to normal line and let it sit there, looking at the l.v. meter. After five minutes of letting the V warm up, I hooked up the dummy load and the power meter the the antenna connector and switched the tune/operated switch to tune. Then, I switch on the h.v. switch and saw the OB3 tube come up bright orange and the OA2 and OB2 reg tubes blink bluish purple. The 4D32 lit up bright blue all over and the final meter came up to about 100mA. I dipped the plate and tuned the antenna load for max pwr out. The 4D32 plate reading seemed slightly erratic, but I suppose some of the gases that were present in the tube were being "got" by the getter.

After 30 seconds, the final current was stable. I switched over to the operate position and switched the h.v. on again. I got about 100 watts out. I pulled a Shure 44S mic off the shelf and plugged it into the mic socket. Unfortunately, the chassis mic connector was loose (meaning I'd have to pull out the rig from the case again. Oh well, it still needed some final adjustments). Putting the mode switch to phone, I found that the idle current was low (about 25 mA for the modulators). I found the bias adjustment and cranked up the reading to 50 mA. I keyed the mic and got the specified modulation peaks described by the manual. I pulled out my SX-100 to monitor the output of the V and it seems clean (although the audio sounded tight).

As of 14 December 1996, at 0009 hours, Collins 32 V2 transmitter, serial #1776 was reactivated back into the ranks of the "living BA's." Two years ago, she came to me in basically junker condition. Nearly 100 hours of painting, location of parts, relabeling the front panel, research, documentation and photography, changing out of rusted hardware, and what have you, she's back in business.

My next project is to get its mate, a 75A2, re-calibrated and tuned. I should have both rigs in full fighting trim before 1997. My thanks to all

who helped on this project. Cal.

-----  
Carl Yaffey K8NU (ex-W4EZB) cyaffey@sprynet.com 614 268 6353 Columbus OH  
Banjo player for One Riot One Ranger, independent software developer.

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|###||=====|***|
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From boatanchors@theporch.com Sun Dec 15 21:37:51 1996  
From: "D. Ragsdale" <doragsda@polymail.cpunix.calpoly.edu>  
Subject: PW Dials to trade for National Speaker  
Message-ID: <199612160206.AA149171987@rubens.artisan.calpoly.edu>

I have two (2) black National PW dials with the gear reduction units in very good to excellent condition. I'd like to trade the pair for a National speaker to match my HRO-50. Looking for one in fairly nice cosmetic condition, driver condition not important. Anyone interested?

Thanks  
73  
Dave  
KF6BOM  
David Ragsdale  
doragsda@oboe.calpoly.edu -or-  
du651@oasis.calpoly.edu

From boatanchors@theporch.com Sun Dec 15 14:59:36 1996  
From: Dave Metz <metzd@cfw.com>  
Subject: R390(nonA) users Addendum #2  
Message-ID: <2.2.32.19961215132917.006b5344@milo.cfw.com>

For those interested the following this thread, we have "discovered" three more units for the list.

John Poulton <jp@cs.unc.edu>	1- no tag , unknown mfg
don merz <71333.144@CompuServe.COM>	1- Collins
Richard Post <POST@ouvaxa.cats.ohiou.edu>	1- Collins

This now make 28 units and 3 autotune versions the R391

I have torn this place apart looking for my copy of the final engineering report. Still a no joy. Hopefully someone else will be able to copy theirs for the group. If I could just get organized.....

I probably shouldn't do this but I recommend you take a look at Dean Davidsons home page. Its got several links to other BA pages and its very well done. We even get to see his picture way down under in New South Wales!

<http://www.une.edu.au/~psychology/deand.htm>

73's dave

From boatanchors@theporch.com Sun Dec 15 14:59:36 1996  
From: bdhall@ghg.net (Benjamin D. Hall)  
Subject: Re: R390(nonA) users Addendum #2  
Message-ID: <32B4031C.3613@GHG.net>

Dave Metz wrote:

> I have torn this place apart looking for my copy of the final engineering  
> report. Still a no joy. Hopefully someone else will be able to copy theirs  
> for the group. If I could just get organized.....

Is this the engineering report detailing the cost savings provided by the R-390A over the R-390(non-A)? If so, I've got a copy and would be happy to make photocopies for people that would like a copy... Just drop me e-mail and a snail mail address, and consider it your Yule/Hanakkuh/Christmas/Kwaanza present from me!

Just write me soon as I'm leaving for Alabama on the 21st...

Thanks and 73,  
Ben

--

-----  
From the computer of Benjamin D. Hall, Houston Texas | Collector of fine firebottle  
BDHall@GHG.net (home) -or- | equipment, as well as other things  
Benjamin.D.Hall1@JSC.NASA.gov | involving Earth, Air, Water, and  
Fire.

\*\*\*PLEASE NOTE MY NEW HOME E-MAIL ADDRESS above.\*\*\* My old address, BDHALL@GHGCorp.com, will still work for a period of time however.

From boatanchors@theporch.com Sun Dec 15 21:37:51 1996  
From: Dean Davidson <ddavidso@metz.une.edu.au>  
Subject: Re: R390(nonA) users Addendum #2

Message-ID: <3.0.1.16.19961216122927.2c3f3ab0@metz.une.edu.au>

At 07:34 15/12/96 -0600, Dave Metz wrote:

>I probably shouldn't do this but I recommend you take a look at Dean  
>Davidson's home page. It's got several links to other BA pages and it's very  
>well done. We even get to see his picture way down under in New South Wales!  
>  
> <http://www.une.edu.au/~psychology/deand.htm>  
>

Thanks Dave,

Let me make a confession tho' - I lifted the picture of the 390 from  
another page!

Shortly, I hope to have a pic of my fine old BA HP test equipment.

BTW, To get to the BAs on my page you first have to look at my cattle!

Cheers,  
Dean

--

Dean Davidson    Web Page: <http://www.une.edu.au/~psychology/deand.htm>

Dept Psychology	Email: <a href="mailto:ddavidso@metz.une.edu.au">mailto:ddavidso@metz.une.edu.au</a>
University of New England	Phone: 61 67 73 2585
Armidale NSW 2351 Australia	VK2 ZID

From [boatanchors@theporch.com](mailto:boatanchors@theporch.com) Sun Dec 15 21:37:51 1996  
From: [jmiller@teleteam.net](mailto:jmiller@teleteam.net) (Jay H. Miller)  
Subject: Ranger/Invader PS Sold  
Message-ID: <v01540b01aeda4b9f0ee9@[199.34.24.18]>

Thanks to all, these two have new homes.

Lots of interest in the Valiant but nothing firm as of this evening.

73

\*\*\*\*\* ##### \*\*\*\*\*  
Jay H. Miller, KK5IM                      Dallas, Texas  
The Pocket Guide to Collins Amateur Radio Equipment  
AMI#846              Collins Collectors Association  
E-Mail: [jmiller@teleteam.net](mailto:jmiller@teleteam.net)

Visit My Home Page: <http://www.teleteam.com/~jmiller/>

\*\*\*\*\* ##### \*\*\*\*\*

From boatanchors@theporch.com Sun Dec 15 14:59:36 1996  
From: tpl.dsc@discnet.com  
Subject: Re.: Military fans: What's in \*your\* collection?  
Message-ID: <9612150333.AA97670@sfm.discnet.com>

I'm new to this, but it sure sounds like a good idea.

RT-91/ARC-2      original              complete              project (sure would like to  
get this one working)

TU-10-B 10meg-12.5 meg      original      complete      It should work (I haven't  
figured out a use for this tuning unit, anybody need one?)

Tom N9DVT

=====  
My wonderful XYL and three babies are off to see grandma  
for a few days, so I'm finally going to get 5 minutes  
to do some radio stuff, mail off packages, etc. Hurrah!  
Anyhow...I've been meaning to ask this of the group  
for ages but never gotten to it...

Fellow Keepers of the Firey Iron, Military style:  
I'm trying to compile a list of "who's got what" so that we  
can all put our collective heads together on any particular  
problem. It's not about listing the stuff that's been  
moldering in your garage forever. You should swap that off  
to someone. This is about the radios and systems  
you've actually gotten or are attempting to get on the air.

For example, if we know whom has had an ART-13 cooking,  
we can direct questions to those talented folks and help each  
other out. We could list wheither you did it "original" or  
with "ham" mods, if you have the complete set (majority of  
the accessories, shock mounts, etc.) or are missing major  
some parts, or is a "project" (meaning you're actually  
working on it, not "going to get around to it").

I'd suggest the following table format. You can "cut and paste"  
the table header:

TYPE UNIT	ORIGINAL	COMPLETE	WORKING
-----------	----------	----------	---------

or SYSTEM	or MODIFIED	or INCOMPLETE	or PROJECT
-----			
AN/ARC-8 (ART-18/BC-348)	ORIG	COMPLETE	WORKING
AN/ARC-5	MODIFIED	INCOMPLETE	WORKING
BC-610I	ORIGINAL	INCOMPLETE (Need Modulation xfmr)	PROJECT

I won't list mine first since everyone knows I'm crazy and foolish with money. Besides, Mike Hanz and Ray Mote would show me up so bad...heh heh.  
Even if your collection consists of one working, modified TCS receiver, your knowledge has value. So what do you think, Military folks?

73 DE Dave Stinson AB5S  
arc5@ix.netcom.com

From boatanchors@theporch.com Sun Dec 15 14:59:36 1996  
From: Tim Richardson <tim@america.net>  
Subject: Re: Reformation  
Message-ID: <2.2.32.19961215035158.00704fc4@pop.america.net>

Regarding the thread on reforming electrolytic capacitors, Larry Keith KQ4BY had an excellent article published in the August 1995 issue of QST entitled "Bring 'em Back Alive!" on page 49. The article details his method of reforming electrolytics and includes a schematic of the reforming setup he uses. This article also includes lots of good, basic information on restoring vintage equipment and is well worth reading by everyone new to boatanchoring.

Tim Richardson, WB4HZT, Acworth, GA <tim@america.net>  
"Those who cannot remember the past are condemned to relive it."-Santayana

From boatanchors@theporch.com Sun Dec 15 14:59:36 1996  
From: Bob Marsh <bmarsh@hicom.net>  
Subject: Re: SB-101 Feet  
Message-ID: <32B4357A.2A82@hicom.net>

Hi Joe,

I just replaced the feet on my SB-301/401 pair. Try your local hardware store for them. I picked up a set of plastic feet very similar to the ones I removed. They come in several sizes and colors, too. They're not an exact replacement, but in black (or grey) they look pretty much the same. Cost me about \$4.00 for 8 of them (2 pks)

Take care de Bob/KB2SGM

From boatanchors@theporch.com Sun Dec 15 14:59:36 1996  
From: MODSTEPH@ACS.EKU.EDU  
Subject: SX-111 FS  
Message-ID: <01ID0N93XV5K00KOLG@ACS.EKU.EDU>

...as the subject says...

FOR SALE: Hallicrafters SX-111. Front panel very good, case no dents but some spaint scrapes and scuffs (case about a 7). Has xtal calibrator and copy of manual, excellent working condx, With copy of manual: \$150 plus shipping. Shipping AFTER Christmas (which should help a great deal getting it through...)

73, A1 N5AIT  
modsteph@acs.eku.edu  
Allan Stephens  
Richmond, Kentucky

LOOKING FOR (WTB): Multi-Elmac M-1070 ps  
Harvey-Wells APS-50 ps

From boatanchors@theporch.com Sun Dec 15 21:37:51 1996  
From: km1h@juno.com  
Subject: T4XC query  
Message-ID: <19961215.181147.7311.6.km1h@juno.com>

Did the T4XC or rather the AC4 PS come wired for 110 and 220V or was that an option? A friend in EU has asked me to find him a mint TX and PS.

Tnx.....Carl

From boatanchors@theporch.com Sun Dec 15 21:37:51 1996  
From: "Ray L. Mote" <rmote@rain.org>  
Subject: Re: TRC-75 & "DEATH ON CONTACT"  
Message-ID: <Pine.SUN.3.95.961215144828.21490A-100000@coyote.rain.org>

They weren't kidding. The story we got in Field Radio Operator's School (Horno Area, Camp Pendleton, 1962) was that a young comm officer



who'd seen older ops drawing sparks off AN/GRC-9 antennas during tuneup tried that with a \*mechanical\* pencil on the TRC-75. They said the nails in his boots melted, but he didn't care -- he was D.O.A.

Minor point: the Marines called the TRC-75 in a jeep the AN/MRC-83. The TRC-75 and ARC-?? (UHF) combo in a hospital jeep was the AN/MRC-87 (used by Tactical Air Control Party).

Don't know which was worse -- the RTTY converter or that "Mite" teletype we had. But, at least the '83s and '87s were a bunch more power than the dinky TCS in a jeep, and would run SSB (neat for 20m skeds back to the States!).

73.....Ray Mote, K5FKT <rmote@rain.org> Oxnard, CA

From boatanchors@theporch.com Sun Dec 15 21:37:51 1996  
From: Mike Sewell <75143.2737@CompuServe.COM>  
Subject: Tube boxes  
Message-ID: <961216005830\_75143.2737\_IHV43-1@CompuServe.COM>

Does anyone know of a more economical source for paper vacuum tube boxes than Antique Electronic Supply? Years ago I bought a bunch of boxes from an outfit called Tyger Electronics. Are they still around? If I HAVE to, I'll pay the freight at AES, but, if someone knows of a cheaper source, it would help!! Thanks, folks.

73, Mike

K 0 Collects Radios eXclusively

From boatanchors@theporch.com Sun Dec 15 21:37:51 1996  
From: J P Taillebois <jpt1@idirect.com>  
Subject: Week end purchase...  
Message-ID: <199612160204.VAA01014@nemesis.idirect.com>

Good evening everyone,

As promised, i am reporting my findings after visiting an estate sale yesterday. Let's start with my purchases..

I brought back with me : H R O rcvr with complete coil set circa 1936. It is on the bench for cleaning and testing. As far as i can see it is all original in it's black beauty. It is also working. Last time used 1974 the

price \$50.00

Receiver R-1155 (with a part one) in very dirty condition but otherwise original and complete. Was used by the R.A.F in the Lancaster bomber covers from LF and HF up to 18mhz. original manual hope to make it work one of these days price \$20

Well i was looking for parts to restore a ART-13. pick one up never opened complete with manuals and an antenna switch price \$35.00

Got a few other goodies a Knight VFO for \$2.00 VTVM for \$2.00 Lots of good books for \$5.00 and a very nice xtal Mic old style for \$15.00.

My budget was shot at that point.

Other stuff of interest.

Geloso rcvr mint for \$100.00

DX-100 mint for \$75 almost bought it.

2 complete Heath stations SB-301 SB-401 with all accessories for \$100.00 each  
DX-60 with VFO for \$50.00

2 complete set tmtr rcvr R-1104 ps for \$75.00

a mint Collins WE 75S-1 Was at \$100.00 but i told the widow to raise it to \$300

2 MAB hf walkie talkie \$10.00 each

2 R-108 receivers for \$25.00

One HF back back military station looked new MK-48 \$50.00

1- R-174 URR rcvr with ps for \$35.00

1 APACHE for \$50.00

Plus a lot of odds and ends to numerous to list.

A mystery item in the garage: very large unit with the following description  
on the tag: RCVR TXMTR 435-IL 300T B

USAF 1660-0387968

Hughes-aircraft

Had 2 large black metallic domes on the top of the unit. BNC connectors all around. Anybody have any idea of what it might be? Radar????

Well enough for now..

73

From boatanchors@theporch.com Sun Dec 15 21:37:51 1996

From: bill@skeeter.frco.com (William Hawkins)

Subject: WTB Tek accessories

Message-ID: <9612152330.AA20819@skeeter.frco.com>

Might have time for some projects before the new year starts. There are 7 Tek letter series plugins and 3 scopes in the project queue. (It's so much easier to buy this stuff than it is to get it working.) I need a plugin extender to work on the plugins. I'd like to get a TU-7 test unit to calibrate the scopes. A 180 time mark generator would be a neat thing to have, though I can probably get the function from the back of a HP counter with some small caps to differentiate the square waves.

Anybody want to trade one of those for some holiday cash?

Bill Hawkins bill@skeeter.frco.com 612 895-2085 Minneapolis, MN

From boatanchors@theporch.com Sun Dec 15 21:37:51 1996  
From: wj5j@juno.com (John D Hensley)  
Subject: WTB: Collins 75S3C and 32S3C or equivalent in KWM2A (?)  
Message-ID: <19961215.195306.5143.5.wj5j@juno.com>

Hello BA types,

An old timer friend here not on the internet wants a 75S3C and 32S3C for xtaling for MARS frequencies. He is seeking clean equipment. Does not have to work, but must be complete with no known xmfr problem and reasonably priced. No dealers please. This old timer is pension based and needs a break. He is non-smoker and will take care of the equipment. Can pay a practical amount.

Reply via private email pse.

Merry Christmas to all,

Doug WJ5J

From boatanchors@theporch.com Sun Dec 15 21:37:51 1996  
From: vancleef@netcom.com (Henry van Cleef)  
Subject: You just can't take too many notes  
Message-ID: <199612152102.0AA12988@netcom21.netcom.com>

I almost got bitten this time.

I've had a little S-38 on and off my bench for the last couple of weeks, and decided to finish putting it back together last night. I had removed the tuning cap for cleaning, which meant taking off the oscillator and BFO coils, carefully noting on a sketch what

connections went to each terminal, where I disconnected things, and where they went.

Generally, when I disassemble something, I verify each connection and component against the schematic. It soon became obvious to me that the power supply and the local oscillator were wired differently from the S-38 (original 6-tube) schematic, but matched the S-38B schematic. Evidently, Hallicrafters made a bunch of production changes in the original S-38. "No problem," I thought-----if in doubt, just check the S-38B configuration.

The last item to go back into the set was the BFO coil, which I had to remove to get at the oscillator coil connections next to it. My notes made no sense, compared to the schematic, so I dug out the S-38B schematic and got confronted with the ugly fact that one of the changes from S-38 to the "A" model and subsequent was removal of the sixth tube BFO.

Standard circuits to the rescue! I drew a schematic of the connections to the 12SQ7 matching my notes. The BFO shown in the schematic is a grounded plate hartley oscillator, with the center tap of the BFO coil connected to the 12SQ7 grid, and one end grounded. There is a 470 ohm squeal stopper shown in the plate circuit, and a .01 mike bypass from plate to ground. My notes clearly showed the center tap connected to ground, and a capacitor connected to the plate. Also, the plate has a 15K resistor in the circuit, which is an appropriate value for a load resistor, not a squeal stopper. Once I sketched the circuit, it was obvious that the wiring was for a grounded cathode Hartley with shunt feed to the plate. This, of course, is a recognizable standard circuit verifying that my notes were correct.

However, I didn't note the value of the wax paper cap used for the oscillator coil feed in the shunt feed plate circuit. Fortunately, I had kept all 11 wax paper condensers in a separate group. By process of elimination, I went over the schematic, taking one cap off the pile for each of the caps used in the circuit. When I was done, I had a .01 cap left over, so this was the value to use in the BFO. The circuit now has a nice brown-bodied Mouser-supplied .01 mylar in it. My notes should have had the value of this cap, as well as some other components.

While I've often commented that rebuilding an AA5 is a good place to learn rebuilding skills, this S-38 took a lot of work, quite out of proportion to its simplicity. There are some real oddities in this set. When working on Hallicrafters stuff, I pay lots of attention to wiring orientation and so forth, knowing that Hallicrafters spent a lot of time and effort with details like this. You won't find any

"overkill" in a Hallicrafters radio. This set has three sections to the B+ filter rather than the usual two found in an AA5. There is also a 22 ohm resistor from the rectifier cathode to the first filter cap. This runs from the cathode to an unused pin on the 35Z5 socket, then through a pair of 470 ohm resistors (nominal 235 ohms) to an unused pin on the 35L6 socket. The output transformer plate feed is connected here, and one wire running to a terminal board right behind the 12SA7. The IF transformers are fed from the TB connection. The schematic shows a 1K resistor feeding the third section, which is used for the 35L6 screen, audio amp plate, and mixer screen. This last matches the S38 schematic. But where's the 1K resistor on the 35L6 socket? There is a long wire from the 35L6 screen terminal over to the oscillator coil. In this set, the 1K runs from the TB to the oscillator coil, and all the third section items are fed from the connection at the oscillator coil. I'm surprised they did it this way, and wonder why. The oscillator coil terminal does not have space for all the wires connected to it, so other wires are just wrapped around the one wire connected to the terminal----rather messy, but what I took off (and noted that way) looks to be original construction. Did bench tests show a parasitic if the third section resistor was at the 35L6 and the .01 cap at the other end of that (relatively long) wire? The S38B uses a different distribution, feeding everything except the output tube plate from the third filter section.

Once again, the set on the bench has major differences from any published schematic I have for it. After that search to identify the value of the BFO shunt feed cap, I'm reminded of the need to identify everything and to develop the as-wired schematic, with values, before unsoldering things.

The question arises as to whether "differences" are miswires, replacement with wrong value components, or user "modifications." Visual inspection will generally tell you if wiring has been worked on after the set was built. Wire loops around terminals that don't match the rest of the set, different wire, and components that don't look the same---such as a Sangamo cap in a set full of Spragues---are clues that someone has been in there, even if the work was neatly done. >From examining this set, it is evident from the wire loops that it was built by two different people. Of course, if you see really sloppy technician work somewhere in a radio, it's pretty obvious, and a very clear warning to watch out.

Also, go over the "as built" schematics and see if the wiring and component values make sense. 220 ohms in place of 22K in a plate circuit won't serve as a plate load resistor to develop anything across, and 220pf don't really make it as an .02 bypass cap. In this case, moving everything further down the filter chain looks like

evolutionary changes to reduce hum---although the S38B setup with the IF plates fed from the third section may have been tied to the regenerative BFO setup and/or simplified wiring (cost reduction). The switch in the BFO also makes sense, because it allows the "noise limiter" (probably pretty ineffective under any circumstances) to operate into a grounded cathode rather than through the BFO tickler coil impedance.

Anyway, I have to ring out the wiring today, and will have to round up a 35Z5 before I can plug-n-play. I'm interested to see what this little beastie will do, particularly when I feed it DC from an isolation transformer and unfiltered bridge rectifier.

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Hank van Cleef  
E-mail [vancleef@netcom.com](mailto:vancleef@netcom.com) or [vancleef@tmn.com](mailto:vancleef@tmn.com)  
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